

FILE 'HOME' ENTERED AT 18:04:18 ON 04 DEC 2003

=> file bioscience meetings

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 0.21 | 0.21 |

FULL ESTIMATED COST

FILE 'ADISCTI' ENTERED AT 18:04:41 ON 04 DEC 2003

COPYRIGHT (C) 2003 Adis Data Information BV

FILE 'ADISINSIGHT' ENTERED AT 18:04:41 ON 04 DEC 2003

COPYRIGHT (C) 2003 Adis Data Information BV

FILE 'ADISNEWS' ENTERED AT 18:04:41 ON 04 DEC 2003

COPYRIGHT (C) 2003 Adis Data Information BV

FILE 'AGRICOLA' ENTERED AT 18:04:41 ON 04 DEC 2003

FILE 'ANABSTR' ENTERED AT 18:04:41 ON 04 DEC 2003

COPYRIGHT (c) 2003 THE ROYAL SOCIETY OF CHEMISTRY (RSC)

FILE 'AQUASCI' ENTERED AT 18:04:41 ON 04 DEC 2003

COPYRIGHT 2003 FAO (On behalf of the ASFA Advisory Board). All rights reserved.

FILE 'BIOBUSINESS' ENTERED AT 18:04:41 ON 04 DEC 2003

COPYRIGHT (C) 2003 Biological Abstracts, Inc. (BIOSIS)

FILE 'BIOCOMMERCE' ENTERED AT 18:04:41 ON 04 DEC 2003

COPYRIGHT (C) 2003 BioCommerce Data Ltd. Richmond Surrey, United Kingdom. All rights reserved

FILE 'BIOSIS' ENTERED AT 18:04:41 ON 04 DEC 2003

COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'BIOTECHABS' ACCESS NOT AUTHORIZED

FILE 'BIOTECHDS' ENTERED AT 18:04:41 ON 04 DEC 2003

COPYRIGHT (C) 2003 THOMSON DERWENT AND INSTITUTE FOR SCIENTIFIC INFORMATION

FILE 'BIOTECHNO' ENTERED AT 18:04:41 ON 04 DEC 2003

COPYRIGHT (C) 2003 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'CABA' ENTERED AT 18:04:41 ON 04 DEC 2003

COPYRIGHT (C) 2003 CAB INTERNATIONAL (CABI)

FILE 'CANCERLIT' ENTERED AT 18:04:41 ON 04 DEC 2003

FILE 'CAPLUS' ENTERED AT 18:04:41 ON 04 DEC 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CEABA-VTB' ENTERED AT 18:04:41 ON 04 DEC 2003

COPYRIGHT (c) 2003 DECHEMA eV

FILE 'CEN' ENTERED AT 18:04:41 ON 04 DEC 2003

COPYRIGHT (C) 2003 American Chemical Society (ACS)

FILE 'CIN' ENTERED AT 18:04:41 ON 04 DEC 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 American Chemical Society (ACS)

FILE 'CONFSCI' ENTERED AT 18:04:41 ON 04 DEC 2003

COPYRIGHT (C) 2003 Cambridge Scientific Abstracts (CSA)

FILE 'CROPB' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 THOMSON DERWENT

FILE 'CROPU' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 THOMSON DERWENT

FILE 'DISSABS' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 ProQuest Information and Learning Company; All Rights Reserved.

FILE 'DDFB' ACCESS NOT AUTHORIZED

FILE 'DDFU' ACCESS NOT AUTHORIZED

FILE 'DGENE' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 THOMSON DERWENT

FILE 'DRUGB' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 THOMSON DERWENT

FILE 'DRUGLAUNCH' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 IMSWORLD Publications Ltd

FILE 'DRUGMONOG2' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 IMSWORLD Publications Ltd

FILE 'DRUGNL' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 IMSWORLD Publications Ltd

FILE 'DRUGU' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 THOMSON DERWENT

FILE 'DRUGUPDATES' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 IMSWORLD Publications Ltd

FILE 'EMBAL' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 Elsevier Inc. All rights reserved.

FILE 'EMBASE' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 Elsevier Inc. All rights reserved.

FILE 'ESBIOBASE' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'FEDRIP' ENTERED AT 18:04:41 ON 04 DEC 2003

FILE 'FOMAD' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 Leatherhead Food Research Association

FILE 'FOREGE' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 Leatherhead Food Research Association

FILE 'FROSTI' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 Leatherhead Food Research Association

FILE 'FSTA' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 International Food Information Service

FILE 'GENBANK' ENTERED AT 18:04:41 ON 04 DEC 2003

FILE 'HEALSAFE' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 Cambridge Scientific Abstracts (CSA)

FILE 'IFIPAT' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 IFI CLAIMS(R) Patent Services (IFI)

FILE 'JICST-EPLUS' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 Japan Science and Technology Agency (JST)

FILE 'KOSMET' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 International Federation of the Societies of Cosmetics Chemists

FILE 'LIFESCI' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 Cambridge Scientific Abstracts (CSA)

FILE 'MEDICONF' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (c) 2003 FAIRBASE Datenbank GmbH, Hannover, Germany

FILE 'MEDLINE' ENTERED AT 18:04:41 ON 04 DEC 2003

FILE 'NIOSHTIC' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 U.S. Secretary of Commerce on Behalf of the U.S. Government

FILE 'NTIS' ENTERED AT 18:04:41 ON 04 DEC 2003
Compiled and distributed by the NTIS, U.S. Department of Commerce.
It contains copyrighted material.
All rights reserved. (2003)

FILE 'NUTRACEUT' ENTERED AT 18:04:41 ON 04 DEC 2003
Copyright 2003 (c) MARKETLETTER Publications Ltd. All rights reserved.

FILE 'OCEAN' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 Cambridge Scientific Abstracts (CSA)

FILE 'PASCAL' ENTERED AT 18:04:41 ON 04 DEC 2003
Any reproduction or dissemination in part or in full,
by means of any process and on any support whatsoever
is prohibited without the prior written agreement of INIST-CNRS.
COPYRIGHT (C) 2003 INIST-CNRS. All rights reserved.

FILE 'PCTGEN' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 WIPO

FILE 'PHAR' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 PJB Publications Ltd. (PJB)

FILE 'PHARMAML' ENTERED AT 18:04:41 ON 04 DEC 2003
Copyright 2003 (c) MARKETLETTER Publications Ltd. All rights reserved.

FILE 'PHIC' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 PJB Publications Ltd. (PJB)

FILE 'PHIN' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 PJB Publications Ltd. (PJB)

FILE 'PROMT' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 Gale Group. All rights reserved.

FILE 'RDISCLOSURE' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 Kenneth Mason Publications Ltd.

FILE 'SCISEARCH' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT 2003 THOMSON ISI

FILE 'SYNTHLINE' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 Prous Science

FILE 'TOXCENTER' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 ACS

FILE 'USPATFULL' ENTERED AT 18:04:41 ON 04 DEC 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 18:04:41 ON 04 DEC 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'VETB' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 THOMSON DERWENT

FILE 'VETU' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 THOMSON DERWENT

FILE 'WPIDS' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 THOMSON DERWENT

FILE 'WPINDEX' ACCESS NOT AUTHORIZED

FILE 'IMOBILITY' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 Society of Automotive Engineers, Inc.

FILE 'COMPENDEX' ENTERED AT 18:04:41 ON 04 DEC 2003
Compendex Compilation and Indexing (C) 2003
Elsevier Engineering Information Inc (EEI). All rights reserved.
Compendex (R) is a registered Trademark of Elsevier Engineering Information Inc.

FILE 'COMPUAB' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 Cambridge Scientific Abstracts (CSA)

FILE 'CONF' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (c) 2003 FIZ Karlsruhe

FILE 'ELCOM' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 Cambridge Scientific Abstracts (CSA)

FILE 'IMSDRUGCONF' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 IMSWORLD Publications Ltd.

FILE 'PAPERCHEM2' ENTERED AT 18:04:41 ON 04 DEC 2003
Paperchem2 compilation and indexing (C) 2003
Elsevier Engineering Information Inc. All rights reserved.

FILE 'POLLUAB' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 Cambridge Scientific Abstracts (CSA)

FILE 'SOLIDSTATE' ENTERED AT 18:04:41 ON 04 DEC 2003
COPYRIGHT (C) 2003 Cambridge Scientific Abstracts (CSA)

=> s (optimal (s) product) and (cell (w) culture and cell (w) grow?) (s)((solute (w)
stress) or stress or osmolar? or hyperton? and antibod? ad (dissolved (w) oxygen)
) IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s (optimal (s) product) and (cell (w) culture and cell (w) grow?) (s)((solute (w)
stress) or stress or osmolar? or hyperton?) and antibod? and (dissolved (w) oxygen)
PROXIMITY OPERATION NOT ALLOWED
Certain operators may not be nested in combination with other

| | | | |
|--|---|------|-------------|
| L10 | 0 | FILE | BIOTECHDS |
| L11 | 0 | FILE | BIOTECHNO |
| L12 | 0 | FILE | CABA |
| L13 | 0 | FILE | CANCERLIT |
| L14 | 0 | FILE | CAPLUS |
| L15 | 0 | FILE | CEABA-VTB |
| L16 | 0 | FILE | CEN |
| L17 | 0 | FILE | CIN |
| L18 | 0 | FILE | CONFSCI |
| L19 | 0 | FILE | CROPB |
| L20 | 0 | FILE | CROPU |
| L21 | 1 | FILE | DISSABS |
| L22 | 0 | FILE | DGENE |
| L23 | 0 | FILE | DRUGB |
| L24 | 0 | FILE | DRUGLAUNCH |
| L25 | 0 | FILE | DRUGMONOG2 |
| L26 | 0 | FILE | DRUGNL |
| L27 | 0 | FILE | DRUGU |
| L28 | 0 | FILE | DRUGUPDATES |
| L29 | 0 | FILE | EMBAL |
| L30 | 0 | FILE | EMBASE |
| L31 | 0 | FILE | ESBIOBASE |
| PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH | | | |
| FIELD CODE - 'AND' OPERATOR ASSUMED 'OPTIMAL (S) PRODUCT?' | | | |
| PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH | | | |
| FIELD CODE - 'AND' OPERATOR ASSUMED 'GROW? (S) (SOLUTE' | | | |
| L32 | 0 | FILE | FEDRIP |
| L33 | 0 | FILE | FOMAD |
| L34 | 0 | FILE | FOREGE |
| L35 | 0 | FILE | FROSTI |
| L36 | 0 | FILE | FSTA |
| L37 | 0 | FILE | GENBANK |
| L38 | 0 | FILE | HEALSAFE |
| L39 | 0 | FILE | IFIPAT |
| L40 | 0 | FILE | JICST-EPLUS |
| L41 | 0 | FILE | KOSMET |
| L42 | 0 | FILE | LIFESCI |
| L43 | 0 | FILE | MEDICONF |
| L44 | 0 | FILE | MEDLINE |
| L45 | 0 | FILE | NIOSHTIC |
| L46 | 0 | FILE | NTIS |
| L47 | 0 | FILE | NUTRACEUT |
| L48 | 0 | FILE | OCEAN |
| L49 | 0 | FILE | PASCAL |
| L50 | 0 | FILE | PCTGEN |
| L51 | 0 | FILE | PHAR |
| L52 | 0 | FILE | PHARMAML |
| L53 | 0 | FILE | PHIC |
| L54 | 0 | FILE | PHIN |
| L55 | 1 | FILE | PROMT |
| L56 | 0 | FILE | RDISCLOSURE |
| L57 | 0 | FILE | SCISEARCH |
| L58 | 0 | FILE | SYNTHLINE |
| L59 | 0 | FILE | TOXCENTER |
| L60 | 6 | FILE | USPATFULL |
| L61 | 0 | FILE | USPAT2 |
| L62 | 0 | FILE | VETB |
| L63 | 0 | FILE | VETU |
| L64 | 0 | FILE | WPIDS |
| L65 | 0 | FILE | 1MOBILITY |
| L66 | 0 | FILE | COMPENDEX |
| L67 | 0 | FILE | COMPUAB |
| L68 | 0 | FILE | CONF |
| L69 | 0 | FILE | ELCOM |
| L70 | 0 | FILE | IMSDRUGCONF |

L71 0 FILE PAPERCHEM2
L72 0 FILE POLLUAB
L73 0 FILE SOLIDSTATE

TOTAL FOR ALL FILES

L74 8 (OPTIMAL (S) PRODUCT?) AND (CELL (W) CULTURE) AND CELL (W) GROW?
(S) (SOLUTE (W) STRESS OR STRESS OR OSMOLAR? OR HYPERTON?) AND
ANTIBOD? AND (DISSOLVED (W) OXYGEN)

=> dup rem l74

DUPLICATE IS NOT AVAILABLE IN 'ADISINSIGHT, ADISNEWS, BIOCOMMERCE, DGENE,
DRUGLAUNCH, DRUGMONOG2, DRUGUPDATES, FEDRIP, FOREGE, GENBANK, KOSMET,
MEDICONF, NUTRACEUT, PCTGEN, PHAR, PHARMAML, RDISCLOSURE, SYNTHLINE, CONF,
IMSDRUGCONF'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

PROCESSING COMPLETED FOR L74

L75 8 DUP REM L74 (0 DUPLICATES REMOVED)

=> d l75 1-8 ibib abs

L75 ANSWER 1 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2003:314463 USPATFULL
TITLE: Human tumor necrosis factor--immunoglobulin(TNFR1-IgG1)
chimera composition
INVENTOR(S): Etcheverry, Tina, Berkeley, CA, United States
Ryll, Thomas, San Mateo, CA, United States
PATENT ASSIGNEE(S): Genetech, Inc., South San Francisco, CA, United States
(U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 6656466 | B1 | 20031202 |
| APPLICATION INFO.: | US 1995-470849 | | 19950606 (8) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | GRANTED | | |
| PRIMARY EXAMINER: | Pak, Michael | | |
| LEGAL REPRESENTATIVE: | Heller Ehrman White & McAuliffe, LLP | | |
| NUMBER OF CLAIMS: | 6 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 2 Drawing Figure(s); 2 Drawing Page(s) | | |
| LINE COUNT: | 1546 | | |

AB The present invention relates to novel process for the preparation of
glycoproteins by mammalian **cell culture** wherein the
sialic acid content of the glycoprotein produced is controlled over a
broad range of values by manipulating the **cell culture**
environment. The invention provides for processes in which the sialic
acid content of the glycoprotein is modified by changes in **cell**
culture parameters which affect cell specific productivity.
Preferred embodiments of the invention include **cell**
culture processes in the osmolality of the **cell**
culture is controlled as well as the concentration of a
transcription enhancer during the production phase of the **cell**
culture. The invention further provides for novel preparations
of soluble type 1 tumor necrosis factor immunoglobulin G1 and their uses
in the treatment of inflammatory or immune related disorders.

L75 ANSWER 2 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2001:14259 USPATFULL
TITLE: Polypeptide production in animal **cell**
culture
INVENTOR(S): Chen, Mary, Burlingame, CA, United States
Forman, Lawrence W., Sunnyvale, CA, United States
PATENT ASSIGNEE(S): Genentech, Inc., South San Francisco, CA, United States
(U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 6180401 | B1 | 20010130 |
| APPLICATION INFO.: | US 1998-73198 | | 19980504 (9) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 1994-208888, filed on 10 Mar 1994, now patented, Pat. No. US 5856179 | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Stole, Einar | | |
| LEGAL REPRESENTATIVE: | Skjerven Morrill MacPherson LLP, Haliday, Emily M. | | |
| NUMBER OF CLAIMS: | 11 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 6 Drawing Figure(s); 3 Drawing Page(s) | | |
| LINE COUNT: | 1091 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of producing a polypeptide in fed batch **cell culture** is provided which involves an initial **cell growth** phase and a distinct production phase. In the initial growth stage, animal cells having nucleic acid encoding the polypeptide are cultured at a starting osmolality of about 280-330 mOsm in the presence of a concentration of glucose controlled throughout the culturing to be within a range between about 0.01 and 1 g/L. This is followed by a production phase, where the cultured animal cells of the growth phase are inoculated at a cell seed density of at least 1.0.times.10.sup.6 cells/mL and the cells are cultured at a starting **osmolality** of about 400-600 mOsm in the presence of a concentration of glucose controlled throughout the culturing to be within a range between about 0.01 and 1 g/L. Preferably, the glutamine concentration in the **cell culture** medium is simultaneously controlled in order to curtail production of lactic acid and ammonia which result from unnecessarily high glutamine concentrations. During the growth phase, production of potentially detrimental metabolic waste products, such as lactic acid, is controlled thereby curtailing the increase of osmolality due to accumulation and neutralization of waste products. Thus, the **cell growth** can be improved. In the production phase, the **cell culture** conditions are modified in order to arrest or reduce **cell growth** and thereby direct nutrient utilization toward production, as opposed to **cell growth**. Overall, it is intended that the method results in an improvement in specific productivity, reduction in production run times and/or an increase in final product concentration.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L75 ANSWER 3 OF 8 PROMT COPYRIGHT 2003 Gale Group on STN

ACCESSION NUMBER: 2001:108915 PROMT
 TITLE: The Processes.
 SOURCE: BioPharm, (June 2000) Vol. 13, No. 6, pp. S18.
 ISSN: 1040-8304.
 PUBLISHER: Advanstar Communications, Inc.
 DOCUMENT TYPE: Newsletter
 LANGUAGE: English
 WORD COUNT: 4848

FULL TEXT IS AVAILABLE IN THE ALL FORMAT

AB Bioprocessing covers two phases of activity: upstream processes (preparation of media and organisms) and downstream processes (product recovery and purification), as illustrated by the graphic on page 9. The bioreactor stage is the heart of upstream bioprocessing, where nutrients are converted into products.

THIS IS THE FULL TEXT: COPYRIGHT 2000 Advanstar Communications, Inc.

Subscription: \$59.00 per year. Published monthly. 131 West First Street,

Duluth, MN 55082.

L75 ANSWER 4 OF 8 USPATFULL on STN

ACCESSION NUMBER: 1999:163441 USPATFULL
TITLE: Micro hollow fiber bioreactor
INVENTOR(S): Gramer, Michael J., Lino Lakes, MN, United States
PATENT ASSIGNEE(S): Cellex Biosciences, Inc., Coon Rapids, MN, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|---|------|--------------|
| PATENT INFORMATION: | US 6001585 | | 19991214 |
| APPLICATION INFO.: | US 1997-970332 | | 19971114 (8) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Naff, David M. | | |
| LEGAL REPRESENTATIVE: | Schwegman, Lundberg, Woessner & Kluth, P.A. | | |
| NUMBER OF CLAIMS: | 16 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 18 Drawing Figure(s); 12 Drawing Page(s) | | |
| LINE COUNT: | 995 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A "micro" hollow fiber bioreactor and method of use are provided for use in screening different cell lines and process conditions. The bioreactor includes the use of an oxygen permeable (e.g., silicone rubber) tube sealably containing a hollow fiber bundle, in order to create an extracapillary space to provide a medium reservoir and an intracapillary space for the growth of cells. The bioreactor avoids the need for oxygen or medium pumps or supply systems, and permits multiple cell lines, and/or multiple conditions to be evaluated simultaneously. Preferably, the tube has an oxygen permeability of between about 100.times.10.sup.-10 to about 10,000.times.10.sup.-10 (cc-mm/sec-cm.sup.2 -cm Hg), the extracapillary space provides a medium reservoir of about 1 ml to about 100 ml, the intracapillary space provides a **cell culture** volume of about 0.1 ml to about 1 ml, the hollow fibers have a molecular weight cut off from about 1 kD to about 1,000 kD and a pore size of from about 0.01 microns to about 5 microns, and the tube contains about 1 to about 1000 hollow fibers.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L75 ANSWER 5 OF 8 USPATFULL on STN

ACCESSION NUMBER: 1999:1516 USPATFULL
TITLE: Polypeptide production in animal **cell culture**
INVENTOR(S): Chen, Mary, Burlingame, CA, United States
Forman, Lawrence W., Sunnyvale, CA, United States
PATENT ASSIGNEE(S): Genentech, Inc., South San Francisco, CA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5856179 | | 19990105 |
| APPLICATION INFO.: | US 1994-208888 | | 19940310 (8) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Hendricks, Keith D. | | |
| LEGAL REPRESENTATIVE: | Lee, Wendy M. | | |
| NUMBER OF CLAIMS: | 26 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 6 Drawing Figure(s); 3 Drawing Page(s) | | |
| LINE COUNT: | 1127 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of producing a polypeptide in fed batch **cell**

culture is provided which involves an initial **cell growth** phase and a distinct production phase. In the initial growth stage, animal cells having nucleic acid encoding the polypeptide are cultured at a starting osmolality of about 280-330 mOsm in the presence of a concentration of glucose controlled throughout the culturing to be within a range between about 0.01 and 1 g/L. This is followed by a production phase, where the cultured animal cells of the growth phase are inoculated at a cell seed density of at least 1.0.times.10.sup.6 cells/mL and the cells are cultured at a starting **osmolality** of about 400-600 mOsm in the presence of a concentration of glucose controlled throughout the culturing to be within a range between about 0.01 and 1 g/L. Preferably, the glutamine concentration in the **cell culture** medium is simultaneously controlled in order to curtail production of lactic acid and ammonia which result from unnecessarily high glutamine concentrations. During the growth phase, production of potentially detrimental metabolic waste products, such as lactic acid, is controlled thereby curtailing the increase of osmolality due to accumulation and neutralization of waste products. Thus, the **cell growth** can be improved. In the production phase, the **cell culture** conditions are modified in order to arrest or reduce **cell growth** and thereby direct nutrient utilization toward production, as opposed to **cell growth**. Overall, it is intended that the method results in an improvement in specific productivity, reduction in production run times and/or an increase in final product concentration.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L75 ANSWER 6 OF 8 USPATFULL on STN

ACCESSION NUMBER: 1998:19596 USPATFULL

TITLE: Mammalian **cell culture** process for producing a tumor necrosis factor receptor immunoglobulin chimeric protein

INVENTOR(S): Etcheverry, Tina, Berkeley, CA, United States
Ryll, Thomas, San Mateo, CA, United States

PATENT ASSIGNEE(S): Genentech, Inc., South San Francisco, CA, United States
(U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5721121 | | 19980224 |
| APPLICATION INFO.: | US 1995-466845 | | 19950606 (8) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Walsh, Stephen | | |
| ASSISTANT EXAMINER: | Pak, Michael D. | | |
| LEGAL REPRESENTATIVE: | Heller Ehrman White & McAuliffe | | |
| NUMBER OF CLAIMS: | 8 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 2 Drawing Figure(s); 2 Drawing Page(s) | | |
| LINE COUNT: | 1576 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel process for the preparation of glycoproteins by mammalian **cell culture** wherein the sialic acid content of the glycoprotein produced is controlled over a broad range of values by manipulating the **cell culture** environment. The invention provides for processes in which the sialic acid content of the glycoprotein is modified by changes in **cell culture** parameters which affect cell specific productivity. Preferred embodiments of the invention include **cell culture** processes in the osmolality of the **cell culture** is controlled as well as the concentration of a transcription enhancer during the production phase of the **cell culture**. The invention further provides for novel preparations

of soluble type 1 tumor necrosis factor immunoglobulin G1 and their uses in the treatment of inflammatory or immune related disorders.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L75 ANSWER 7 OF 8 USPATFULL on STN

ACCESSION NUMBER: 1998:1651 USPATFULL
TITLE: Mammalian **cell culture** process
INVENTOR(S): Etcheverry, Tina, Berkeley, CA, United States
Ryll, Thomas, San Mateo, CA, United States
PATENT ASSIGNEE(S): Genentech, Inc., South San Francisco, CA, United States
(U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5705364 | | 19980106 |
| APPLICATION INFO.: | US 1995-469348 | | 19950606 (8) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Saunders, David | | |
| ASSISTANT EXAMINER: | Cech, Emma | | |
| LEGAL REPRESENTATIVE: | Heller Ehrman White & McAuliffe | | |
| NUMBER OF CLAIMS: | 21 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 4 Drawing Figure(s); 2 Drawing Page(s) | | |
| LINE COUNT: | 1610 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel process for the preparation of glycoproteins by mammalian **cell culture** wherein the sialic acid content of the glycoprotein produced is controlled over a broad range of values by manipulating the **cell culture** environment. The invention provides for processes in which the sialic acid content of the glycoprotein is modified by changes in **cell culture** parameters which affect cell specific productivity. Preferred embodiments of the invention include **cell culture** processes in the osmolality of the **cell culture** is controlled as well as the concentration of a transcription enhancer during the production phase of the **cell culture**. The invention further provides for novel preparations of soluble type 1 tumor necrosis factor immunoglobulin G1 and their uses in the treatment of inflammatory or immune related disorders.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L75 ANSWER 8 OF 8 DISSABS COPYRIGHT (C) 2003 ProQuest Information and Learning Company; All Rights Reserved on STN

ACCESSION NUMBER: 90:8077 DISSABS Order Number: AAR9023613
TITLE: KINETIC CHARACTERIZATION OF HYBRIDOMA GROWTH, METABOLISM, AND MONOCLONAL **ANTIBODY** PRODUCTION RATES
AUTHOR: OZTURK, SADETTIN S. [PH.D.]; PALSSON, BERNHARD O. [advisor]
CORPORATE SOURCE: THE UNIVERSITY OF MICHIGAN (0127)
SOURCE: Dissertation Abstracts International, (1990) Vol. 51, No. 4B, p. 1953. Order No.: AAR9023613. 357 pages.
DOCUMENT TYPE: Dissertation
FILE SEGMENT: DAI
LANGUAGE: English
ENTRY DATE: Entered STN: 19921118
Last Updated on STN: 19921118

AB Monoclonal **antibodies** produced by hybridoma cells are one of the most important **products** of biotechnology. **Optimal** design and development of bioreactors require a quantitative understanding of cell growth, metabolism, and **antibody production** rates. This thesis is a comprehensive investigation of the influence of culture environment on these biological variables.
Both the extent of **cell growth** and the final

antibody concentrations were influenced by the inoculum size, but specific growth, metabolic, and **antibody production** rates were less sensitive to initial cell density. Short-term exposure to new serum concentrations influenced the growth rate in a Michaelian fashion, but did not alter the cell metabolism and **antibody production** rate. When cells were cultured in low serum-containing media for prolonged periods of time (6 months), they adapted and both growth and **antibody** titer were improved. However, for one cell line, adaptation to low serum resulted in a gradual loss of **antibody productivity**. We have determined that this loss is due to the appearance of a sub-population that has lower internal and surface **antibody** content. **Cell growth** was inhibited at 100% air saturation and at very low **dissolved oxygen** concentrations leading to an **optimal** range between 25 and 50% air saturation. We have also demonstrated that the cells used in this study could grow and produce **antibody** under total anaerobic conditions, which has important implications for the design of high density cultures. The **antibody production** rate was unaffected by the **dissolved oxygen** concentration. **Cell growth** and **antibody production** were **optimal** at pH 7.2 while the specific **antibody production** rate, though unaltered under alkaline conditions, was 2-3 fold higher under acidic conditions. Elevated media **osmolarity** also influenced the specific **antibody production** rate. Both ammonia and lactate inhibit growth, but do not accelerate cell death. Cell metabolism was influenced by lactate and ammonia levels. However, the specific **antibody production** rate was unaffected.

It is hoped that the results presented in this thesis will contribute significantly to a better understanding of cell physiology in bioreactor environments, and provide coherent design principles for the optimization of mammalian **cell culture** technology.

WEST Search History

DATE: Thursday, December 04, 2003

| <u>Set Name</u> | <u>Query</u> | <u>Hit Count</u> | <u>Set Name</u> |
|-----------------|---|------------------|-----------------|
| side by side | | | result set |
| | <i>DB=USPT,PGPB,EPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i> | | |
| L4 | (cell adj growth) same ((solute adj stress) or stress or osmolar\$) same(product\$ and antibod\$) | 15 | L4 |
| L3 | (cell adj growth) same ((solute adj stress) or stress or osmolar\$) and (product\$ and antibod\$) | 346 | L3 |
| L2 | cell adj culture and (cell adj growth) same ((solute adj stress) or stress or osmolar\$) | 319 | L2 |
| L1 | cell same culture and (cell adj growth) and ((solute adj stress) or stress or osmolar\$) | 5143 | L1 |

END OF SEARCH HISTORY

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 15 of 15 returned.****1. Document ID: US 20030113798 A1**

L4: Entry 1 of 15

File: PGPB

Jun 19, 2003

PGPUB-DOCUMENT-NUMBER: 20030113798

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030113798 A1

TITLE: Antigenic peptides, such as for G protein-coupled receptors (GPCRS), antibodies thereto, and systems for identifying such antigenic peptides

PUBLICATION-DATE: June 19, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|---------|-------|---------|---------|
| Burmer, Glenna C. | Seattle | WA | US | |
| Roush, Christine L. | Seattle | WA | US | |
| Brown, Joseph P. | Seattle | WA | US | |

US-CL-CURRENT: 435/7.1; 435/7.92, 435/7.93, 530/350, 530/388.22

| | | | | | | | | | |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|---------------------------|-----------------------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|---------------------------|-----------------------------|

| | | |
|----------------------|---------------------------|-----------------------|
| KIMC | Draw Desc | Image |
|----------------------|---------------------------|-----------------------|

2. Document ID: US 20030059791 A1

L4: Entry 2 of 15

File: PGPB

Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030059791

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030059791 A1

TITLE: Method for evaluating DNA probes position on substrate

PUBLICATION-DATE: March 27, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-------------------|-----------|-------|---------|---------|
| Rokutan, Kazuhito | Osaka | | JP | |
| Tomita, Hiroyuki | Tachikawa | | JP | |
| Saito, Toshiro | Hatoyama | | JP | |

US-CL-CURRENT: 435/6; 435/287.2, 702/20

| | | | | | | | | | |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|---------------------------|-----------------------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|---------------------------|-----------------------------|

| | | |
|----------------------|---------------------------|-----------------------|
| KIMC | Draw Desc | Image |
|----------------------|---------------------------|-----------------------|

3. Document ID: US 20030054545 A1

L4: Entry 3 of 15

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030054545
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030054545 A1

TITLE: Cell and tissue culture modeling device and apparatus and method of using same

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|-------------------|-------|---------|---------|
| Janigro, Damir | Cleveland Heights | OH | US | |
| McAllister, Mark S. | Saginaw | MI | US | |

US-CL-CURRENT: 435/297.4; 210/321.8, 435/29, 435/32, 435/400

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

4. Document ID: US 20020119530 A1

L4: Entry 4 of 15

File: PGPB

Aug 29, 2002

PGPUB-DOCUMENT-NUMBER: 20020119530
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020119530 A1

TITLE: Method of increasing product expression through solute stress

PUBLICATION-DATE: August 29, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------------|----------|-------|---------|---------|
| Maiorella, Brian | Oakland | CA | US | |
| Inlow, Duane | Oakland | CA | US | |
| Howarth, William | Richmond | CA | US | |

US-CL-CURRENT: 435/70.21; 435/366

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

5. Document ID: US 20020058804 A1

L4: Entry 5 of 15

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020058804
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020058804 A1

TITLE: Prodrug activation using catalytic antibodies

PUBLICATION-DATE: May 16, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-----------------------|--------------|-------|---------|---------|
| Barbas, Carlos F. III | Solana Beach | CA | US | |
| Shabat, Doron | Tel Aviv | CA | IL | |
| Rader, Christoph | San Diego | CA | US | |
| List, Benjamin | San Diego | CA | US | |
| Lerner, Richard A. | La Jolla | | US | |

US-CL-CURRENT: 536/53; 546/330, 546/335, 548/567, 560/157, 560/24

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|-------|

6. Document ID: US 20020001629 A1

L4: Entry 6 of 15

File: PGPB

Jan 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020001629

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020001629 A1

TITLE: Compositions and methods relating to prevention of chemotherapy-induced alopecia

PUBLICATION-DATE: January 3, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|-------|-------|---------|---------|
| Voellmy, Richard W. | Miami | FL | US | |

US-CL-CURRENT: 424/620; 424/642, 424/650, 514/2, 514/44, 514/690

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|-------|

7. Document ID: US 6610269 B1

L4: Entry 7 of 15

File: USPT

Aug 26, 2003

US-PAT-NO: 6610269

DOCUMENT-IDENTIFIER: US 6610269 B1

TITLE: Contrast agents

DATE-ISSUED: August 26, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|------|-------|----------|---------|
| Klaveness; Jo | Oslo | | | NO |
| Naevestad; Anne | Oslo | | | NO |
| Tolleshaug; Helge | Oslo | | | NO |

US-CL-CURRENT: 424/9.1; 424/1.11, 424/1.65, 424/1.69

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|-------|

8. Document ID: US 6268488 B1

L4: Entry 8 of 15

File: USPT

Jul 31, 2001

US-PAT-NO: 6268488

DOCUMENT-IDENTIFIER: US 6268488 B1

TITLE: Prodrug activation using catalytic antibodies

DATE-ISSUED: July 31, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------------|-----------|-------|----------|---------|
| Barbas, III; Carlos F. | Del Mar | CA | 92014 | |
| Shabat; Doron | San Diego | CA | 92122 | |
| Rader; Christoph | San Diego | CA | 92103 | |
| List; Benjamin | San Diego | CA | 92102 | |
| Lerner; Richard A. | La Jolla | CA | 92037 | |

US-CL-CURRENT: 536/6.4; 548/204, 549/375, 562/463, 568/448

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| RMIC | Draw Desc | Image |
|------|-----------|-------|

9. Document ID: US 6238891 B1

L4: Entry 9 of 15

File: USPT

May 29, 2001

US-PAT-NO: 6238891

DOCUMENT-IDENTIFIER: US 6238891 B1

TITLE: Method of increasing product expression through solute stress

DATE-ISSUED: May 29, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|----------|-------|----------|---------|
| Maiorella; Brian | Oakland | CA | | |
| Inlow; Duane | Oakland | CA | | |
| Howarth; William | Richmond | CA | | |

US-CL-CURRENT: 435/70.21; 435/252.3, 435/326, 435/69.1, 435/70.1, 530/386, 530/388.1, 530/388.15, 530/412

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| RMIC | Draw Desc | Image |
|------|-----------|-------|

10. Document ID: US 6197547 B1

L4: Entry 10 of 15

File: USPT

Mar 6, 2001

US-PAT-NO: 6197547

DOCUMENT-IDENTIFIER: US 6197547 B1

TITLE: Trigger factor expression plasmids

DATE-ISSUED: March 6, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------|------------|-------|----------|---------|
| Sogo; Kazuyo | Kyoto | | | JP |
| Yanagi; Hideki | Takarazuka | | | JP |
| Yura; Takashi | Kyoto | | | JP |

US-CL-CURRENT: 435/69.1; 435/252.3, 435/252.33, 435/320.1, 536/23.1, 536/24.1

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

11. Document ID: US 6159708 A

L4: Entry 11 of 15

File: USPT

Dec 12, 2000

US-PAT-NO: 6159708

DOCUMENT-IDENTIFIER: US 6159708 A

TITLE: Chaperone expression plasmids

DATE-ISSUED: December 12, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------|------------|-------|----------|---------|
| Sogo; Kazuyo | Kyoto | | | JP |
| Yanagi; Hideki | Takarazuka | | | JP |
| Yura; Takashi | Kyoto | | | JP |

US-CL-CURRENT: 435/69.1; 435/252.33, 435/320.1, 435/488, 536/23.1, 536/23.2,
536/23.5, 536/23.51, 536/23.52, 536/23.53, 536/23.6, 536/23.7, 536/23.72, 536/24.1

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

12. Document ID: US 6001585 A

L4: Entry 12 of 15

File: USPT

Dec 14, 1999

US-PAT-NO: 6001585

DOCUMENT-IDENTIFIER: US 6001585 A

TITLE: Micro hollow fiber bioreactor

DATE-ISSUED: December 14, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|------------|-------|----------|---------|
| Gramer; Michael J. | Lino Lakes | MN | | |

US-CL-CURRENT: 435/29; 435/182, 435/243, 435/289.1, 435/297.1, 435/297.4, 435/325,
435/382, 435/400, 435/41

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

13. Document ID: US 5232848 A

L4: Entry 13 of 15

File: USPT

Aug 3, 1993

US-PAT-NO: 5232848

DOCUMENT-IDENTIFIER: US 5232848 A

TITLE: Basal nutrient medium for cell culture

DATE-ISSUED: August 3, 1993

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|---------------|-------|----------|---------|
| Wolfe; Richard A. | Ellisville | MO | | |
| Heifetz; Aaron H. | Columbia | MD | | |
| Custer; Linda M. | Ellicott City | MD | | |

US-CL-CURRENT: 435/406; 435/407

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

14. Document ID: WO 8904867 A1

L4: Entry 14 of 15

File: EPAB

Jun 1, 1989

PUB-NO: WO008904867A1

DOCUMENT-IDENTIFIER: WO 8904867 A1

TITLE: METHOD OF INCREASING PRODUCT EXPRESSION THROUGH SOLUTE STRESS

PUBN-DATE: June 1, 1989

INVENTOR-INFORMATION:

| NAME | COUNTRY |
|------------------|---------|
| MAIORELLA, BRIAN | US |
| INLOW, DUANE | US |
| HOWARTH, WILLIAM | US |

US-CL-CURRENT: 435/70.21

INT-CL (IPC): C12N 5/00; C12P 21/00

EUR-CL (EPC): C12N005/00

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

15. Document ID: US 20020150920 A1 WO 200183753 A2 US 20020028465 A1 AU 200159420 A

L4: Entry 15 of 15

File: DWPI

Oct 17, 2002

DERWENT-ACC-NO: 2002-041495

DERWENT-WEEK: 200270

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Novel isolated polypeptide of nucleotide binding site useful as a vaccine for preventing or treating diseases e.g. cancer, stroke, Alzheimer's disease, Parkinson's disease, myocardial infarction, Crohn's disease

INVENTOR: BERTIN, J; BLATCHER, M ; WANG, W

PRIORITY-DATA: 2000US-201464P (May 3, 2000), 2001US-0848035 (May 3, 2001),

2001US-0986224 (October 22, 2001)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|-------------------|-------------------|----------|-------|------------|
| US 20020150920 A1 | October 17, 2002 | | 000 | C12Q001/68 |
| WO 200183753 A2 | November 8, 2001 | E | 149 | C12N015/12 |
| US 20020028465 A1 | March 7, 2002 | | 000 | C07K016/00 |
| AU 200159420 A | November 12, 2001 | | 000 | C12N015/12 |

INT-CL (IPC): C07 H 21/02; C07 H 21/04; C07 K 1/00; C07 K 14/00; C07 K 14/47; C07 K 16/00; C07 K 16/18; C07 K 17/00; C12 N 1/20; C12 N 5/00; C12 N 5/02; C12 N 5/06; C12 N 9/00; C12 N 15/10; C12 N 15/12; C12 N 15/62; C12 P 19/34; C12 P 21/02; C12 P 21/06; C12 Q 1/68; G01 N 33/53

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|-----|-----------|-------|
| KWC | Draw Desc | Image |
|-----|-----------|-------|

[Generate Collection](#)[Print](#)

| Term | Documents |
|---|-----------|
| CELL | 814269 |
| CELLS | 599529 |
| GROWTH | 418885 |
| GROWTHS | 5834 |
| SOLUTE | 20513 |
| SOLUTES | 17100 |
| STRESS | 407108 |
| STRESSES | 172775 |
| OSMOLAR\$ | 0 |
| OSMOLAR | 277 |
| ((CELL ADJ GROWTH) SAME ((SOLUTE ADJ STRESS) OR STRESS OR OSMOLAR\$) SAME(PRODUCT\$ AND ANTIBOD\$)).USPT,PGPB,EPAB,DWPI,TDBD. | 15 |

[There are more results than shown above. Click here to view the entire set.](#)

Display Format: -[Change Format](#)[Previous Page](#)[Next Page](#)

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 20 of 20 returned.****1. Document ID: US 20030113798 A1**

L7: Entry 1 of 20

File: PGPB

Jun 19, 2003

PGPUB-DOCUMENT-NUMBER: 20030113798

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030113798 A1

TITLE: Antigenic peptides, such as for G protein-coupled receptors (GPCRS), antibodies thereto, and systems for identifying such antigenic peptides

PUBLICATION-DATE: June 19, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|---------|-------|---------|---------|
| Burmer, Glenna C. | Seattle | WA | US | |
| Roush, Christine L. | Seattle | WA | US | |
| Brown, Joseph P. | Seattle | WA | US | |

US-CL-CURRENT: 435/7.1; 435/7.92, 435/7.93, 530/350, 530/388.22

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

2. Document ID: US 20030059791 A1

L7: Entry 2 of 20

File: PGPB

Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030059791

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030059791 A1

TITLE: Method for evaluating DNA probes position on substrate

PUBLICATION-DATE: March 27, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-------------------|-----------|-------|---------|---------|
| Rokutan, Kazuhito | Osaka | | JP | |
| Tomita, Hiroyuki | Tachikawa | | JP | |
| Saito, Toshiro | Hatoyama | | JP | |

US-CL-CURRENT: 435/6; 435/287.2, 702/20

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

3. Document ID: US 20030054545 A1

L7: Entry 3 of 20

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030054545
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030054545 A1

TITLE: Cell and tissue culture modeling device and apparatus and method of using same

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|-------------------|-------|---------|---------|
| Janigro, Damir | Cleveland Heights | OH | US | |
| McAllister, Mark S. | Saginaw | MI | US | |

US-CL-CURRENT: 435/297.4; 210/321.8, 435/29, 435/32, 435/400

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|-----|-----------|-------|
| RMW | Draw Desc | Image |
|-----|-----------|-------|

4. Document ID: US 20020119530 A1

L7: Entry 4 of 20

File: PGPB

Aug 29, 2002

PGPUB-DOCUMENT-NUMBER: 20020119530
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020119530 A1

TITLE: Method of increasing product expression through solute stress

PUBLICATION-DATE: August 29, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------------|----------|-------|---------|---------|
| Maiorella, Brian | Oakland | CA | US | |
| Inlow, Duane | Oakland | CA | US | |
| Howarth, William | Richmond | CA | US | |

US-CL-CURRENT: 435/70.21; 435/366

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|-----|-----------|-------|
| RMW | Draw Desc | Image |
|-----|-----------|-------|

5. Document ID: US 20020058804 A1

L7: Entry 5 of 20

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020058804
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020058804 A1

TITLE: Prodrug activation using catalytic antibodies

PUBLICATION-DATE: May 16, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-----------------------|--------------|-------|---------|---------|
| Barbas, Carlos F. III | Solana Beach | CA | US | |
| Shabat, Doron | Tel Aviv | CA | IL | |
| Rader, Christoph | San Diego | CA | US | |
| List, Benjamin | San Diego | CA | US | |
| Lerner, Richard A. | La Jolla | | US | |

US-CL-CURRENT: 536/53; 546/330, 546/335, 548/567, 560/157, 560/24

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

6. Document ID: US 20020001629 A1

L7: Entry 6 of 20

File: PGPB

Jan 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020001629
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020001629 A1

TITLE: Compositions and methods relating to prevention of chemotherapy-induced alopecia

PUBLICATION-DATE: January 3, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|-------|-------|---------|---------|
| Voellmy, Richard W. | Miami | FL | US | |

US-CL-CURRENT: 424/620; 424/642, 424/650, 514/2, 514/44, 514/690

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

7. Document ID: US 6610269 B1

L7: Entry 7 of 20

File: USPT

Aug 26, 2003

US-PAT-NO: 6610269
DOCUMENT-IDENTIFIER: US 6610269 B1

TITLE: Contrast agents

DATE-ISSUED: August 26, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|------|-------|----------|---------|
| Klaveness; Jo | Oslo | | | NO |
| Naevestad; Anne | Oslo | | | NO |
| Tolleshaug; Helge | Oslo | | | NO |

US-CL-CURRENT: 424/9.1; 424/1.11, 424/1.65, 424/1.69

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

8. Document ID: US 6268488 B1

L7: Entry 8 of 20

File: USPT

Jul 31, 2001

US-PAT-NO: 6268488

DOCUMENT-IDENTIFIER: US 6268488 B1

TITLE: Prodrug activation using catalytic antibodies

DATE-ISSUED: July 31, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------------|-----------|-------|----------|---------|
| Barbas, III; Carlos F. | Del Mar | CA | 92014 | |
| Shabat; Doron | San Diego | CA | 92122 | |
| Rader; Christoph | San Diego | CA | 92103 | |
| List; Benjamin | San Diego | CA | 92102 | |
| Lerner; Richard A. | La Jolla | CA | 92037 | |

US-CL-CURRENT: 536/6.4; 548/204, 549/375, 562/463, 568/448

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|-----|-----------|-------|
| RMK | Draw Desc | Image |
|-----|-----------|-------|

9. Document ID: US 6238891 B1

L7: Entry 9 of 20

File: USPT

May 29, 2001

US-PAT-NO: 6238891

DOCUMENT-IDENTIFIER: US 6238891 B1

TITLE: Method of increasing product expression through solute stress

DATE-ISSUED: May 29, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|----------|-------|----------|---------|
| Maiorella; Brian | Oakland | CA | | |
| Inlow; Duane | Oakland | CA | | |
| Howarth; William | Richmond | CA | | |

US-CL-CURRENT: 435/70.21; 435/252.3, 435/326, 435/69.1, 435/70.1, 530/386,
530/388.1, 530/388.15, 530/412

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|-----|-----------|-------|
| RMK | Draw Desc | Image |
|-----|-----------|-------|

10. Document ID: US 6197547 B1

L7: Entry 10 of 20

File: USPT

Mar 6, 2001

US-PAT-NO: 6197547

DOCUMENT-IDENTIFIER: US 6197547 B1

TITLE: Trigger factor expression plasmids

DATE-ISSUED: March 6, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------|------------|-------|----------|---------|
| Sogo; Kazuyo | Kyoto | | | JP |
| Yanagi; Hideki | Takarazuka | | | JP |
| Yura; Takashi | Kyoto | | | JP |

US-CL-CURRENT: 435/69.1; 435/252.3, 435/252.33, 435/320.1, 536/23.1, 536/24.1

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

11. Document ID: US 6159708 A

L7: Entry 11 of 20

File: USPT

Dec 12, 2000

US-PAT-NO: 6159708

DOCUMENT-IDENTIFIER: US 6159708 A

TITLE: Chaperone expression plasmids

DATE-ISSUED: December 12, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------|------------|-------|----------|---------|
| Sogo; Kazuyo | Kyoto | | | JP |
| Yanagi; Hideki | Takarazuka | | | JP |
| Yura; Takashi | Kyoto | | | JP |

US-CL-CURRENT: 435/69.1; 435/252.33, 435/320.1, 435/488, 536/23.1, 536/23.2,
536/23.5, 536/23.51, 536/23.52, 536/23.53, 536/23.6, 536/23.7, 536/23.72, 536/24.1

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

12. Document ID: US 6001585 A

L7: Entry 12 of 20

File: USPT

Dec 14, 1999

US-PAT-NO: 6001585

DOCUMENT-IDENTIFIER: US 6001585 A

TITLE: Micro hollow fiber bioreactor

DATE-ISSUED: December 14, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|------------|-------|----------|---------|
| Gramer; Michael J. | Lino Lakes | MN | | |

US-CL-CURRENT: 435/29; 435/182, 435/243, 435/289.1, 435/297.1, 435/297.4, 435/325,
435/382, 435/400, 435/41

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

13. Document ID: US 5484596 A

L7: Entry 13 of 20

File: USPT

Jan 16, 1996

US-PAT-NO: 5484596

DOCUMENT-IDENTIFIER: US 5484596 A

TITLE: Active specific immunotherapy

DATE-ISSUED: January 16, 1996

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------------|-----------|-------|----------|---------|
| Hanna, Jr.; Michael G. | Frederick | MD | | |
| Hoover, Jr.; Herbert C. | Hingham | MA | | |
| Peters; Leona C. | Frederick | MD | | |

US-CL-CURRENT: 424/277.1; 424/138.1, 424/93.1, 424/93.7

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KMIC | Draw Desc | Image |
|------|-----------|-------|

14. Document ID: US 5232848 A

L7: Entry 14 of 20

File: USPT

Aug 3, 1993

US-PAT-NO: 5232848

DOCUMENT-IDENTIFIER: US 5232848 A

TITLE: Basal nutrient medium for cell culture

DATE-ISSUED: August 3, 1993

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|---------------|-------|----------|---------|
| Wolfe; Richard A. | Ellisville | MO | | |
| Heifetz; Aaron H. | Columbia | MD | | |
| Custer; Linda M. | Ellicott City | MD | | |

US-CL-CURRENT: 435/406; 435/407

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KMIC | Draw Desc | Image |
|------|-----------|-------|

15. Document ID: US 5180814 A

L7: Entry 15 of 20

File: USPT

Jan 19, 1993

US-PAT-NO: 5180814

DOCUMENT-IDENTIFIER: US 5180814 A

TITLE: Tumor specific monoclonal antibodies

DATE-ISSUED: January 19, 1993

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------------|----------------|-------|----------|---------|
| Hanna, Jr.; Michael | Frederick | MD | | |
| Haspel; Martin V. | Silver Spring | MD | | |
| Hoover, Jr.; Herbert C. | Port Jefferson | NY | | |

US-CL-CURRENT: 530/388.8

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

16. Document ID: US 5106738 A

L7: Entry 16 of 20

File: USPT

Apr 21, 1992

US-PAT-NO: 5106738

DOCUMENT-IDENTIFIER: US 5106738 A

**** See image for Certificate of Correction ****

TITLE: Tumor specific monoclonal antibodies

DATE-ISSUED: April 21, 1992

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------------|---------------|-------|----------|---------|
| Hanna, Jr.; Michael G. | Frederick | MD | | |
| Haspel, Jr.; Martin V. | Silver Spring | MD | | |
| Hoover, Jr.; Herbert C. | Hingham | MA | | |

US-CL-CURRENT: 435/458; 435/467

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

17. Document ID: US 4997762 A

L7: Entry 17 of 20

File: USPT

Mar 5, 1991

US-PAT-NO: 4997762

DOCUMENT-IDENTIFIER: US 4997762 A

**** See image for Certificate of Correction ****

TITLE: Tumor associated monocloal antibodies derived from human B-cell line

DATE-ISSUED: March 5, 1991

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------------|----------------|-------|----------|---------|
| Hanna, Jr.; Michael | Frederick | MD | | |
| Haspel; Martin V. | Silver Spring | MD | | |
| Hoover, Jr.; Herbert C. | Port Jefferson | NY | | |

US-CL-CURRENT: 435/344; 424/142.1, 424/155.1, 424/808, 530/388.15, 530/388.8,
530/808, 530/828, 530/865

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

18. Document ID: US 4828991 A

L7: Entry 18 of 20

File: USPT

May 9, 1989

US-PAT-NO: 4828991

DOCUMENT-IDENTIFIER: US 4828991 A

TITLE: Tumor specific monoclonal antibodies

DATE-ISSUED: May 9, 1989

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------------|----------------|-------|----------|---------|
| Hanna, Jr.; Michael | Frederick | MD | | |
| Haspel; Martin V. | Silver Spring | MD | | |
| Hoover, Jr.; Herbert C. | Port Jefferson | NY | | |

US-CL-CURRENT: 435/70.21; 435/381, 435/451, 436/548, 436/813, 530/388.15, 530/388.8,
530/391.3, 530/865

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| RMIC | Draw Desc | Image |
|------|-----------|-------|

19. Document ID: WO 8904867 A1

L7: Entry 19 of 20

File: EPAB

Jun 1, 1989

PUB-NO: WO008904867A1

DOCUMENT-IDENTIFIER: WO 8904867 A1

TITLE: METHOD OF INCREASING PRODUCT EXPRESSION THROUGH SOLUTE STRESS

PUBN-DATE: June 1, 1989

INVENTOR-INFORMATION:

| NAME | COUNTRY |
|------------------|---------|
| MAIORELLA, BRIAN | US |
| INLOW, DUANE | US |
| HOWARTH, WILLIAM | US |

US-CL-CURRENT: 435/70.21

INT-CL (IPC): C12N 5/00; C12P 21/00

EUR-CL (EPC): C12N005/00

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| RMIC | Draw Desc | Image |
|------|-----------|-------|

20. Document ID: US 20020150920 A1 WO 200183753 A2 US 20020028465 A1 AU
200159420 A

L7: Entry 20 of 20

File: DWPI

Oct 17, 2002

DERWENT-ACC-NO: 2002-041495

DERWENT-WEEK: 200270

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Novel isolated polypeptide of nucleotide binding site useful as a vaccine for preventing or treating diseases e.g. cancer, stroke, Alzheimer's disease, Parkinson's disease, myocardial infarction, Crohn's disease

INVENTOR: BERTIN, J; BLATCHER, M ; WANG, W

PRIORITY-DATA: 2000US-201464P (May 3, 2000), 2001US-0848035 (May 3, 2001),
2001US-0986224 (October 22, 2001)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|-------------------|-------------------|----------|-------|------------|
| US 20020150920 A1 | October 17, 2002 | | 000 | C12Q001/68 |
| WO 200183753 A2 | November 8, 2001 | E | 149 | C12N015/12 |
| US 20020028465 A1 | March 7, 2002 | | 000 | C07K016/00 |
| AU 200159420 A | November 12, 2001 | | 000 | C12N015/12 |

INT-CL (IPC): C07 H 21/02; C07 H 21/04; C07 K 1/00; C07 K 14/00; C07 K 14/47; C07 K 16/00; C07 K 16/18; C07 K 17/00; C12 N 1/20; C12 N 5/00; C12 N 5/02; C12 N 5/06; C12 N 9/00; C12 N 15/10; C12 N 15/12; C12 N 15/62; C12 P 19/34; C12 P 21/02; C12 P 21/06; C12 Q 1/68; G01 N 33/53

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|-----|-----------|-------|
| KMC | Draw Desc | Image |
|-----|-----------|-------|

Generate Collection

Print

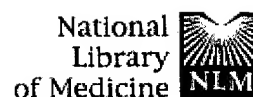
| Term | Documents |
|---|-----------|
| CELL | 814269 |
| CELLS | 599529 |
| GROWTH | 418885 |
| GROWTHS | 5834 |
| SOLUTE | 20513 |
| SOLUTES | 17100 |
| STRESS | 407108 |
| STRESSES | 172775 |
| OSMOLAR\$ | 0 |
| OSMOLAR | 277 |
| ((CELL ADJ GROWTH) SAME ((SOLUTE ADJ STRESS) OR STRESS OR OSMOLAR\$ OR HYPERTON\$) SAME(PRODUCT\$ AND ANTIBOD\$ OR HYBRIDOMA?)).USPT,PGPB,EPAB,DWPI,TDBD. | 20 |

[There are more results than shown above. Click here to view the entire set.](#)

Display Format: -

Change Format

[Previous Page](#)[Next Page](#)



Entrez PubMed Nucleotide Protein Genome Structure PMC Journals Books

Search PubMed for production momoclal antibody and oxygen diss Go Clear

☒ Limits Preview/Index History Clipboard Details[About Entrez](#)

One of your terms is not found in the database.
See Details.

[Text Version](#)[Entrez PubMed](#)[Overview](#)[Help | FAQ](#)[Tutorial](#)[New/Noteworthy](#)[E-Utilities](#)[PubMed Services](#)[Journals Database](#)[MeSH Database](#)[Single Citation Matcher](#)[Batch Citation Matcher](#)[Clinical Queries](#)[LinkOut](#)[Cubby](#)[Related Resources](#)[Order Documents](#)[NLM Gateway](#)[TOXNET](#)[Consumer Health](#)[Clinical Alerts](#)[ClinicalTrials.gov](#)[PubMed Central](#)[Privacy Policy](#)**Limits: Publication Date to 1987/11**

Display Summary Show: 20 Sort Send to Text

Items 1-4 of 4

One page.

☐ 1: Miller WM, Wilke CR, Blanch HW.[Related Articles, Links](#)**Effects of dissolved oxygen concentration on hybridoma growth and metabolism in continuous culture.**

J Cell Physiol. 1987 Sep;132(3):524-30.

PMID: 3654764 [PubMed - indexed for MEDLINE]

☐ 2: Reuveny S, Velez D, Macmillan JD, Miller L.[Related Articles, Links](#)**Factors affecting cell growth and monoclonal antibody production in stirred reactors.**

J Immunol Methods. 1986 Jan 22;86(1):53-9.

PMID: 3944469 [PubMed - indexed for MEDLINE]

☐ 3: Reuveny S, Velez D, Riske F, MacMillan JD, Miller L.[Related Articles, Links](#)**Production of monoclonal antibodies in culture.**

Dev Biol Stand. 1985;60:185-97.

PMID: 3930316 [PubMed - indexed for MEDLINE]

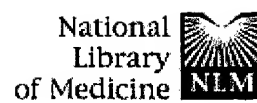
☐ 4: Mizrahi A, Vosseller GV, Yagi Y, Moore GE.[Related Articles, Links](#)**The effect of dissolved oxygen partial pressure on growth, metabolism and immunoglobulin production in a permanent human lymphocyte cell line culture.**

Proc Soc Exp Biol Med. 1972 Jan;139(1):118-22. No abstract available.

PMID: 5007446 [PubMed - indexed for MEDLINE]

[Write to the Help Desk](#)[NCBI | NLM | NIH](#)[Department of Health & Human Services](#)[Freedom of Information Act | Disclaimer](#)

Dec 1 2003 07:03:59



Entrez PubMed Nucleotide Protein Genome Structure PMC Journals Books

Search **PubMed** for **solute stress and protein** **Go** **Clear**

☒ Limits Preview/Index History Clipboard Details

About Entrez

Text Version

Entrez PubMed
Overview
Help | FAQ
Tutorial
New/Noteworthy
E-Utilities

PubMed Services
Journals Database
MeSH Database
Single Citation Matcher
Batch Citation Matcher
Clinical Queries
LinkOut
Cubby

Related Resources
Order Documents
NLM Gateway
TOXNET
Consumer Health
Clinical Alerts
ClinicalTrials.gov
PubMed Central

Privacy Policy

Limits: **Publication Date to 1987/11**


Display **Summary** Show: **20** Sort Send to **Text**

Items 1-12 of 12

One page.


- ☐ **1:** Ohwada T, Sagisaka S. Related Articles, Links
An immediate and steep increase in ATP concentration in response to reduced turgor pressure in Escherichia coli B.
 Arch Biochem Biophys. 1987 Nov 15;259(1):157-63.
 PMID: 3318698 [PubMed - indexed for MEDLINE]
- ☐ **2:** Zimmerberg J, Parsegian VA. Related Articles, Links
Water movement during channel opening and closing.
 J Bioenerg Biomembr. 1987 Aug;19(4):351-8. Review.
 PMID: 2442149 [PubMed - indexed for MEDLINE]
- ☐ **3:** Furst P, Albers S, Stehle P. Related Articles, Links
Stress-induced intracellular glutamine depletion. The potential use of glutamine-containing peptides in parenteral nutrition.
 Beitr Infusionsther Klin Ernahr. 1987;17:117-36. Review.
 PMID: 3120690 [PubMed - indexed for MEDLINE]
- ☐ **4:** Ballantyne JS, Moon TW. Related Articles, Links
Solute effects on mitochondria from an elasmobranch (Raja erinacea) and a teleost (Pseudopleuronectes americanus).
 J Exp Zool. 1986 Sep;239(3):319-28.
 PMID: 2876050 [PubMed - indexed for MEDLINE]
- ☐ **5:** Ross MG, Ervin MG, Leake RD, Habeeb O, Fisher DA. Related Articles, Links
Isovolemic hypotension in ovine fetus: plasma arginine vasopressin response and urinary effects.
 Am J Physiol. 1986 May;250(5 Pt 1):E564-9.
 PMID: 3706522 [PubMed - indexed for MEDLINE]
- ☐ **6:** Schneiderman R, Keret D, Maroudas A. Related Articles, Links
Effects of mechanical and osmotic pressure on the rate of glycosaminoglycan synthesis in the human adult femoral head cartilage: an in vitro study.
 J Orthop Res. 1986;4(4):393-408.
 PMID: 3097285 [PubMed - indexed for MEDLINE]
- ☐ **7:** Mow VC, Mak AF, Lai WM, Rosenberg LC, Tang LH. Related Articles, Links
Viscoelastic properties of proteoglycan subunits and aggregates in varying solution concentrations.
 J Biomech. 1984;17(5):325-38.
 PMID: 6736068 [PubMed - indexed for MEDLINE]
- Lindquist B, Sønningsen NW. Related Articles, Links

8:

-  Acid-base homeostasis of low-birth-weight and full-term infants in early life.
J Pediatr Gastroenterol Nutr. 1983;2 Suppl 1:S99-107.
PMID: 6644482 [PubMed - indexed for MEDLINE]


9: Ware J, Ljungqvist O, Norberg KA, Nylander G.

[Related Articles](#), [Links](#)

-  Osmolar changes in haemorrhage: the effects of an altered nutritional status.
Acta Chir Scand. 1982;148(8):641-6.
PMID: 7170899 [PubMed - indexed for MEDLINE]


10: Convertino VA, Keil LC, Bernauer EM, Greenleaf JE.

[Related Articles](#), [Links](#)

-  Plasma volume, osmolality, vasopressin, and renin activity during graded exercise in man.
J Appl Physiol. 1981 Jan;50(1):123-8.
PMID: 7009522 [PubMed - indexed for MEDLINE]


11: Schrier RW, Berl T, Anderson RJ.

[Related Articles](#), [Links](#)

-  Osmotic and nonosmotic control of vasopressin release.
Am J Physiol. 1979 Apr;236(4):F321-32. Review.
PMID: 373467 [PubMed - indexed for MEDLINE]

12: Glen AI, Halliburton IM, MacDonald AC.

[Related Articles](#), [Links](#)

-  The effect of stress and of mild dehydration on renal solute output in angioneurotic and periodic oedema.
J Psychosom Res. 1969 Mar;13(1):61-6. No abstract available.
PMID: 5777001 [PubMed - indexed for MEDLINE]

Display Show: Sort Send to

Items 1-12 of 12

One page.

Write to the Help Desk
NCBI | NLM | NIH
Department of Health & Human Services
[Freedom of Information Act](#) | [Disclaimer](#)

Dec 1 2003 07:03:59

WEST Search History

DATE: Thursday, December 04, 2003

Set Name Query

side by side

Hit Count Set Name

result set

*DB=USPT,PGPB,EPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES;
OP=ADJ*

| | | | |
|-----|---|------|-----|
| L11 | l10 and (optimal same product\$) | 35 | L11 |
| L10 | (cell adj culture and cell adj grow\$) same ((solute adj stress) or stress or osmolar\$ or hyperton\$) | 123 | L10 |
| L9 | (cell adj culture and cell adj grow\$) and ((solute adj stress) or stress or osmolar\$ or hyperton\$) | 6677 | L9 |
| L8 | (optimal same product\$) same (cell adj culture and cel adj grow\$) and ((solute adj stress) or stress or osmolar\$) | 0 | L8 |
| L7 | (cell adj growth) same ((solute adj stress) or stress or osmolar\$ or hyperton\$) same(product\$ and antibod\$ or hybridoma?) | 20 | L7 |
| L6 | (cell adj growth) same ((solute adj stress) or stress or osmolar\$ or hyperton\$) same(product\$ and antibod\$) | 15 | L6 |
| L5 | 4409331.pn. | 3 | L5 |
| L4 | (cell adj growth) same ((solute adj stress) or stress or osmolar\$) same(product\$ and antibod\$) | 15 | L4 |
| L3 | (cell adj growth) same ((solute adj stress) or stress or osmolar\$) and (product\$ and antibod\$) | 346 | L3 |
| L2 | cell adj culture and (cell adj growth) same ((solute adj stress) or stress or osmolar\$) | 319 | L2 |
| L1 | cell same culture and (cell adj growth) and ((solute adj stress) or stress or osmolar\$) | 5143 | L1 |

END OF SEARCH HISTORY

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 35 of 35 returned.****1. Document ID: US 20030211579 A1**

L11: Entry 1 of 35

File: PGPB

Nov 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030211579

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030211579 A1

TITLE: Methods for increasing polypeptide production

PUBLICATION-DATE: November 13, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-------------------------|---------|-------|---------|---------|
| Van Ness, Kirk P. | Seattle | WA | US | |
| Trentalange, Michael T. | Seattle | WA | US | |
| Dell, Bradley D. | Seattle | WA | US | |
| McGrew, Jeffrey T. | Seattle | WA | US | |

US-CL-CURRENT: [435/69.1](#); [435/320.1](#), [435/358](#), [530/350](#), [530/387.1](#)

| | | | | | | | | | |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|---------------------------|-----------------------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|---------------------------|-----------------------------|

| | | |
|----------------------|---------------------------|-----------------------|
| KIMC | Draw Desc | Image |
|----------------------|---------------------------|-----------------------|

2. Document ID: US 20030166289 A1

L11: Entry 2 of 35

File: PGPB

Sep 4, 2003

PGPUB-DOCUMENT-NUMBER: 20030166289

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030166289 A1

TITLE: Compositions and methods for regulating bacterial pathogenesis

PUBLICATION-DATE: September 4, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|-----------|-------|---------|---------|
| Bassler, Bonnie L. | Princeton | NJ | US | |
| Surette, Michael G. | Calgary | | CA | |

US-CL-CURRENT: [435/471](#); [435/252.3](#)

| | | | | | | | | | |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|---------------------------|-----------------------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|---------------------------|-----------------------------|

| | | |
|----------------------|---------------------------|-----------------------|
| KIMC | Draw Desc | Image |
|----------------------|---------------------------|-----------------------|

3. Document ID: US 20030148414 A1

L11: Entry 3 of 35

File: PGPB

Aug 7, 2003

PGPUB-DOCUMENT-NUMBER: 20030148414
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030148414 A1

TITLE: COMPOSITIONS AND METHODS FOR REGULATING BACTERIAL PATHOGENESIS

PUBLICATION-DATE: August 7, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|-----------|-------|---------|---------|
| BASSLER, BONNIE L. | Princeton | NJ | US | |
| SURETTE, MICHAEL G. | Calgary | | CA | |

US-CL-CURRENT: 435/32; 435/252.1, 514/678, 568/413

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|-----|-----------|-------|
| RWC | Draw Desc | Image |
|-----|-----------|-------|

4. Document ID: US 20030108860 A1

L11: Entry 4 of 35

File: PGPB

Jun 12, 2003

PGPUB-DOCUMENT-NUMBER: 20030108860
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030108860 A1

TITLE: Method for large scale production of virus antigen

PUBLICATION-DATE: June 12, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-----------------|--------|-------|---------|---------|
| Reiter, Manfred | Vienna | | AT | |
| Mundt, Wolfgang | Vienna | | AT | |

US-CL-CURRENT: 435/5; 424/204.1, 435/235.1, 435/237, 435/239, 536/23.72

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|-----|-----------|-------|
| RWC | Draw Desc | Image |
|-----|-----------|-------|

5. Document ID: US 20030104606 A1

L11: Entry 5 of 35

File: PGPB

Jun 5, 2003

PGPUB-DOCUMENT-NUMBER: 20030104606
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030104606 A1

TITLE: Compositions and methods for regulating bacterial pathogenesis

PUBLICATION-DATE: June 5, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|-----------|-------|---------|---------|
| Bassler, Bonnie L. | Princeton | NJ | US | |
| Surette, Michael G. | Calgary | | CA | |

US-CL-CURRENT: 435/252.3

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KMOC | Draw Desc | Image |
|------|-----------|-------|

6. Document ID: US 20030096376 A1

L11: Entry 6 of 35

File: PGPB

May 22, 2003

PGPUB-DOCUMENT-NUMBER: 20030096376
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030096376 A1

TITLE: Compositions and methods for regulating bacterial pathogenesis

PUBLICATION-DATE: May 22, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|-----------|-------|---------|---------|
| Bassler, Bonnie L. | Princeton | NJ | US | |
| Surette, Michael G. | Calgary | | CA | |

US-CL-CURRENT: 435/88

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KMOC | Draw Desc | Image |
|------|-----------|-------|

7. Document ID: US 20030096330 A1

L11: Entry 7 of 35

File: PGPB

May 22, 2003

PGPUB-DOCUMENT-NUMBER: 20030096330
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030096330 A1

TITLE: Compositions and methods for regulating bacterial pathogenesis

PUBLICATION-DATE: May 22, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|-----------|-------|---------|---------|
| Bassler, Bonnie L. | Princeton | NJ | US | |
| Surette, Michael G. | Calgary | | CA | |

US-CL-CURRENT: 435/7.32; 435/252.3

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KMOC | Draw Desc | Image |
|------|-----------|-------|

8. Document ID: US 20020119530 A1

L11: Entry 8 of 35

File: PGPB

Aug 29, 2002

PGPUB-DOCUMENT-NUMBER: 20020119530
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020119530 A1

TITLE: Method of increasing product expression through solute stress

PUBLICATION-DATE: August 29, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------------|----------|-------|---------|---------|
| Maiorella, Brian | Oakland | CA | US | |
| Inlow, Duane | Oakland | CA | US | |
| Howarth, William | Richmond | CA | US | |

US-CL-CURRENT: 435/70.21; 435/366

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

9. Document ID: US 20020107364 A1

L11: Entry 9 of 35

File: PGPB

Aug 8, 2002

PGPUB-DOCUMENT-NUMBER: 20020107364

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020107364 A1

TITLE: Compositions and methods for regulating bacterial pathogenesis

PUBLICATION-DATE: August 8, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|-----------|-------|---------|---------|
| Bassler, Bonnie L. | Princeton | NJ | US | |
| Surette, Michael G. | Calgary | | CA | |

US-CL-CURRENT: 530/350

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

10. Document ID: US 20020072052 A1

L11: Entry 10 of 35

File: PGPB

Jun 13, 2002

PGPUB-DOCUMENT-NUMBER: 20020072052

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020072052 A1

TITLE: Compositions and methods for regulating bacterial pathogenesis

PUBLICATION-DATE: June 13, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|-----------|-------|---------|---------|
| Bassler, Bonnie L. | Princeton | NJ | US | |
| Surette, Michael G. | Calgary | | CA | |

US-CL-CURRENT: 435/4; 435/29

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

11. Document ID: US 20020062151 A1

L11: Entry 11 of 35

File: PGPB

May 23, 2002

PGPUB-DOCUMENT-NUMBER: 20020062151
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020062151 A1

TITLE: Bioengineered anterior cruciate ligament

PUBLICATION-DATE: May 23, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------------|---------|-------|---------|---------|
| Altman, Gregory | Medford | MA | US | |
| Kaplan, David | Concord | MA | US | |
| Vunjak-Novakovic, Gordana | Belmont | MA | US | |
| Martin, Ivan | Oberwil | | CH | |

US-CL-CURRENT: 623/13.17; 435/395, 623/13.12, 623/915

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|------------|-------|
| KWIC | Draw. Desc | Image |
|------|------------|-------|

12. Document ID: US 20010044146 A1

L11: Entry 12 of 35

File: PGPB

Nov 22, 2001

PGPUB-DOCUMENT-NUMBER: 20010044146
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010044146 A1

TITLE: Method for enhanced protein stabilization and for production of cell lines useful for production of such stabilized proteins

PUBLICATION-DATE: November 22, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------|-----------|-------|---------|---------|
| Dees, H. Craig | Knoxville | TN | US | |
| Smolik, John | Loudon | TN | US | |

US-CL-CURRENT: 435/235.1

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|------------|-------|
| KWIC | Draw. Desc | Image |
|------|------------|-------|

13. Document ID: US 20010041361 A1

L11: Entry 13 of 35

File: PGPB

Nov 15, 2001

PGPUB-DOCUMENT-NUMBER: 20010041361
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010041361 A1

TITLE: Method for enhanced protein stabilization and for production of cell lines useful for production of such stabilized proteins

PUBLICATION-DATE: November 15, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------|-----------|-------|---------|---------|
| Dees, H. Craig | Knoxville | TN | US | |
| Smolik, John | Loudon | TN | US | |

US-CL-CURRENT: 435/235.1

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

14. Document ID: US 20010041354 A1

L11: Entry 14 of 35

File: PGPB

Nov 15, 2001

PGPUB-DOCUMENT-NUMBER: 20010041354

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010041354 A1

TITLE: Method for enhanced protein stabilization and for production of cell lines useful for production of such stabilized proteins

PUBLICATION-DATE: November 15, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------|-----------|-------|---------|---------|
| Dees, H. Craig | Knoxville | TN | US | |
| Smolik, John | Loudon | TN | US | |

US-CL-CURRENT: 435/69.1; 435/235.1, 435/456

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

15. Document ID: US 6656466 B1

L11: Entry 15 of 35

File: USPT

Dec 2, 2003

US-PAT-NO: 6656466

DOCUMENT-IDENTIFIER: US 6656466 B1

TITLE: Human tumor necrosis factor--immunoglobulin(TNFR1-IgG1) chimera composition

DATE-ISSUED: December 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|-----------|-------|----------|---------|
| Etcheverry; Tina | Berkeley | CA | | |
| Ryll; Thomas | San Mateo | CA | | |

US-CL-CURRENT: 424/134.1; 424/130.1, 424/133.1, 424/142.1, 424/145.1, 514/2, 514/8, 530/350, 530/387.1, 530/387.3, 530/395

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

16. Document ID: US 6541223 B2

L11: Entry 16 of 35

File: USPT

Apr 1, 2003

US-PAT-NO: 6541223

DOCUMENT-IDENTIFIER: US 6541223 B2

TITLE: Method for enhanced protein stabilization and for production of cell lines
useful for production of such stabilized proteins

DATE-ISSUED: April 1, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------|-----------|-------|----------|---------|
| Dees; H. Craig | Knoxville | TN | | |
| Smolik; John | Loudon | TN | | |

US-CL-CURRENT: 435/69.1; 435/235.1, 435/325, 435/339, 435/366, 435/367, 435/6

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|-----|-----------|-------|
| RMK | Draw Desc | Image |
|-----|-----------|-------|

17. Document ID: US 6495360 B1

L11: Entry 17 of 35

File: USPT

Dec 17, 2002

US-PAT-NO: 6495360

DOCUMENT-IDENTIFIER: US 6495360 B1

TITLE: Method for enhanced protein stabilization and for production of cell lines
useful for production of such stabilized proteins

DATE-ISSUED: December 17, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------|-----------|-------|----------|---------|
| Dees; H. Craig | Knoxville | TN | | |
| Smolik; John | Loudon | TN | | |

US-CL-CURRENT: 435/235.1; 435/239, 435/320.1, 435/455

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|-----|-----------|-------|
| RMK | Draw Desc | Image |
|-----|-----------|-------|

18. Document ID: US 6468777 B2

L11: Entry 18 of 35

File: USPT

Oct 22, 2002

US-PAT-NO: 6468777

DOCUMENT-IDENTIFIER: US 6468777 B2

TITLE: Method for enhanced protein stabilization and for production of cell lines
useful for production of such stabilized proteins

DATE-ISSUED: October 22, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------|-----------|-------|----------|---------|
| Dees; H. Craig | Knoxville | TN | | |
| Smolik; John | Loudon | TN | | |

US-CL-CURRENT: [435/235.1](#); [435/199](#), [435/239](#), [435/325](#), [435/456](#), [435/69.1](#)

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|-----|-----------|-------|
| KMC | Draw Desc | Image |
|-----|-----------|-------|

19. Document ID: US 6461863 B1

L11: Entry 19 of 35

File: USPT

Oct 8, 2002

US-PAT-NO: 6461863

DOCUMENT-IDENTIFIER: US 6461863 B1

**** See image for Certificate of Correction ****

TITLE: Modifying insect cell glycosylation pathways with baculovirus expression vectors

DATE-ISSUED: October 8, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|---------|-------|----------|---------|
| Jarvis; Donald L. | Laramie | WY | | |

US-CL-CURRENT: [435/320.1](#); [435/325](#), [435/348](#), [435/69.1](#), [435/70.1](#)

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|-----|-----------|-------|
| KMC | Draw Desc | Image |
|-----|-----------|-------|

20. Document ID: US 6451597 B2

L11: Entry 20 of 35

File: USPT

Sep 17, 2002

US-PAT-NO: 6451597

DOCUMENT-IDENTIFIER: US 6451597 B2

TITLE: Method for enhanced protein stabilization and for production of cell lines useful for production of such stabilized proteins

DATE-ISSUED: September 17, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------|-----------|-------|----------|---------|
| Dees; H. Craig | Knoxville | TN | | |
| Smolik; John | Loudon | TN | | |

US-CL-CURRENT: [435/325](#); [435/320.1](#), [435/455](#), [435/456](#), [435/69.1](#)

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|-----|-----------|-------|
| KMC | Draw Desc | Image |
|-----|-----------|-------|

21. Document ID: US 6372494 B1

L11: Entry 21 of 35

File: USPT

Apr 16, 2002

US-PAT-NO: 6372494

DOCUMENT-IDENTIFIER: US 6372494 B1

TITLE: Methods of making conditioned cell culture medium compositions

DATE-ISSUED: April 16, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------------|----------|-------|----------|---------|
| Naughton; Gail K. | La Jolla | CA | | |
| Mansbridge; Jonathan N. | La Jolla | CA | | |
| Pinney; R. Emmett | Poway | CA | | |

US-CL-CURRENT: 435/391, 424/115, 424/198.1, 435/325, 435/347, 435/366, 435/368,
435/370, 435/371, 435/372, 435/384, 435/395, 514/2

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KIMC | Draw Desc | Image |
|------|-----------|-------|

22. Document ID: US 6238891 B1

L11: Entry 22 of 35

File: USPT

May 29, 2001

US-PAT-NO: 6238891

DOCUMENT-IDENTIFIER: US 6238891 B1

TITLE: Method of increasing product expression through solute stress

DATE-ISSUED: May 29, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|----------|-------|----------|---------|
| Maiorella; Brian | Oakland | CA | | |
| Inlow; Duane | Oakland | CA | | |
| Howarth; William | Richmond | CA | | |

US-CL-CURRENT: 435/70.21, 435/252.3, 435/326, 435/69.1, 435/70.1, 530/386,
530/388.1, 530/388.15, 530/412

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KIMC | Draw Desc | Image |
|------|-----------|-------|

23. Document ID: US 6210922 B1

L11: Entry 23 of 35

File: USPT

Apr 3, 2001

US-PAT-NO: 6210922

DOCUMENT-IDENTIFIER: US 6210922 B1

TITLE: Serum free production of recombinant proteins and adenoviral vectors

DATE-ISSUED: April 3, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|-------------|-------|----------|---------|
| Cote ; M. T. Johanne | Pierrefonds | | | CA |
| Kamen; Amine A. | Montreal | | | CA |
| Massie; Bernard | Laval | | | CA |

US-CL-CURRENT: 435/69.1, 435/366, 435/369, 435/455, 435/463, 435/70.3

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| KIMC | Draw Desc | Image |
|------|-----------|-------|
|------|-----------|-------|

24. Document ID: US 6180401 B1

L11: Entry 24 of 35

File: USPT

Jan 30, 2001

US-PAT-NO: 6180401

DOCUMENT-IDENTIFIER: US 6180401 B1

TITLE: Polypeptide production in animal cell culture

DATE-ISSUED: January 30, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|------------|-------|----------|---------|
| Chen; Mary | Burlingame | CA | | |
| Forman; Lawrence W. | Sunnyvale | CA | | |

US-CL-CURRENT: 435/358; 435/325

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| KIMC | Draw Desc | Image |
|------|-----------|-------|
|------|-----------|-------|

25. Document ID: US 6022701 A

L11: Entry 25 of 35

File: USPT

Feb 8, 2000

US-PAT-NO: 6022701

DOCUMENT-IDENTIFIER: US 6022701 A

TITLE: Procedure for large-scale production of astaxanthin from haematococcus

DATE-ISSUED: February 8, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------|----------------------|-------|----------|---------|
| Boussiba; Sammy | Omer | | | IL |
| Vonshak; Avigad | Midreshet Sede-Boker | | | IL |
| Cohen; Zvi | Omer | | | IL |
| Richmond; Amos | Midreshet Sede-Boker | | | IL |

US-CL-CURRENT: 435/67; 435/257.1

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| KIMC | Draw Desc | Image |
|------|-----------|-------|
|------|-----------|-------|

26. Document ID: US 6001585 A

L11: Entry 26 of 35

File: USPT

Dec 14, 1999

US-PAT-NO: 6001585

DOCUMENT-IDENTIFIER: US 6001585 A

TITLE: Micro hollow fiber bioreactor

DATE-ISSUED: December 14, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|------------|-------|----------|---------|
| Gramer; Michael J. | Lino Lakes | MN | | |

US-CL-CURRENT: 435/29; 435/182, 435/243, 435/289.1, 435/297.1, 435/297.4, 435/325,
435/382, 435/400, 435/41

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

└ 27. Document ID: US 5856179 A

L11: Entry 27 of 35

File: USPT

Jan 5, 1999

US-PAT-NO: 5856179

DOCUMENT-IDENTIFIER: US 5856179 A

TITLE: Polypeptide production in animal cell culture

DATE-ISSUED: January 5, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|------------|-------|----------|---------|
| Chen; Mary | Burlingame | CA | | |
| Forman; Lawrence W. | Sunnyvale | CA | | |

US-CL-CURRENT: 435/325; 435/358, 435/360, 435/375, 435/69.1, 435/69.4, 435/69.5,
435/69.6, 435/70.1, 435/70.3, 435/70.5

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

└ 28. Document ID: US 5721121 A

L11: Entry 28 of 35

File: USPT

Feb 24, 1998

US-PAT-NO: 5721121

DOCUMENT-IDENTIFIER: US 5721121 A

**** See image for Certificate of Correction ****

TITLE: Mammalian cell culture process for producing a tumor necrosis factor receptor immunoglobulin chimeric protein

DATE-ISSUED: February 24, 1998

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|-----------|-------|----------|---------|
| Etcheverry; Tina | Berkeley | CA | | |
| Ryll; Thomas | San Mateo | CA | | |

US-CL-CURRENT: 435/69.7; 435/325, 435/328, 435/358, 435/361, 530/387.3, 530/395

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

└─ 29. Document ID: US 5705364 A

L11: Entry 29 of 35

File: USPT

Jan 6, 1998

US-PAT-NO: 5705364

DOCUMENT-IDENTIFIER: US 5705364 A

TITLE: Mammalian cell culture process

DATE-ISSUED: January 6, 1998

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|-----------|-------|----------|---------|
| Etcheverry; Tina | Berkeley | CA | | |
| Ryll; Thomas | San Mateo | CA | | |

US-CL-CURRENT: 435/70.3; 435/375, 435/383, 435/395

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

└─ 30. Document ID: US 5328844 A

L11: Entry 30 of 35

File: USPT

Jul 12, 1994

US-PAT-NO: 5328844

DOCUMENT-IDENTIFIER: US 5328844 A

**** See image for Certificate of Correction ****

TITLE: Culture media for mammalian cells

DATE-ISSUED: July 12, 1994

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|---------|-------|----------|---------|
| Moore; George E. | Conifer | CO | | |

US-CL-CURRENT: 435/405; 424/531, 435/244, 514/2, 514/21

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KWIC | Draw Desc | Image |
|------|-----------|-------|

└─ 31. Document ID: US 5156964 A

L11: Entry 31 of 35

File: USPT

Oct 20, 1992

US-PAT-NO: 5156964

DOCUMENT-IDENTIFIER: US 5156964 A

TITLE: Methods for adapting cells for increased product production through exposure to ammonia

DATE-ISSUED: October 20, 1992

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|---------|-------|----------|---------|
| Inlow; Duane | Oakland | CA | | |
| Maiorella; Brian | Oakland | CA | | |
| Shauger; Andrea E. | Albany | CA | | |

US-CL-CURRENT: 435/375; 530/350, 530/388.1, 530/388.15, 530/865

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KIMC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|-------|

32. Document ID: WO 8904867 A1

L11: Entry 32 of 35

File: EPAB

Jun 1, 1989

PUB-NO: WO008904867A1

DOCUMENT-IDENTIFIER: WO 8904867 A1

TITLE: METHOD OF INCREASING PRODUCT EXPRESSION THROUGH SOLUTE STRESS

PUBN-DATE: June 1, 1989

INVENTOR-INFORMATION:

| NAME | COUNTRY |
|------------------|---------|
| MAIORELLA, BRIAN | US |
| INLOW, DUANE | US |
| HOWARTH, WILLIAM | US |

US-CL-CURRENT: 435/70.21

INT-CL (IPC): C12N 5/00; C12P 21/00

EUR-CL (EPC): C12N005/00

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KIMC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|-------|

33. Document ID: US 20020119530 A1

L11: Entry 33 of 35

File: DWPI

Aug 29, 2002

DERWENT-ACC-NO: 2003-776666

DERWENT-WEEK: 200373

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Determining optimal level of product expression in animal cell cultures, by culturing cells under conditions of solute stress, so that optimal cell growth/growth rate is decreased and product expression is increased

INVENTOR: HOWARTH, W; INLOW, D ; MAIORELLA, B

PRIORITY-DATA: 1995US-0482421 (June 7, 1995), 1987US-0122015 (November 18, 1987), 2001US-0867948 (May 30, 2001)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|-------------------|-----------------|----------|-------|------------|
| US 20020119530 A1 | August 29, 2002 | | 013 | C12P021/04 |

INT-CL (IPC): C12 N 5/08; C12 P 21/04

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KIMC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|-------|

34. Document ID: US 6238891 B1

L11: Entry 34 of 35

File: DWPI

May 29, 2001

DERWENT-ACC-NO: 2001-366475

DERWENT-WEEK: 200373

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Increasing protein expression in a cell culture, useful for increasing antibody production, comprises adding to the cell medium a solute inhibiting cell growth or density in an amount above the amount needed for optimal cell growth

INVENTOR: HOWARTH, W; INLOW, D ; MAIORELLA, B

PRIORITY-DATA: 1989US-0443445 (November 29, 1989), 1987US-0122015 (November 18, 1987), 1992US-0841906 (February 26, 1992), 1995US-0482421 (June 7, 1995)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---------------|--------------|----------|-------|------------|
| US 6238891 B1 | May 29, 2001 | | 012 | C12P021/08 |

INT-CL (IPC): C12 N 5/16; C12 P 21/08

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KIMC | Draw Desc | Image |
|------|-----------|-------|

35. Document ID: WO 8904867 A AU 8928059 A CA 1312030 C

L11: Entry 35 of 35

File: DWPI

Jun 1, 1989

DERWENT-ACC-NO: 1989-178386

DERWENT-WEEK: 200373

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Determining optimal prod. expression in animal cell culture - by varying solute concn. from that which is optimal for cell growth

INVENTOR: HOWARTH, W; INLOW, D ; MAIORELLA, B

PRIORITY-DATA: 1987US-0122015 (November 18, 1987)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|--------------|-------------------|----------|-------|------------|
| WO 8904867 A | June 1, 1989 | E | 033 | |
| AU 8928059 A | June 14, 1989 | | 000 | |
| CA 1312030 C | December 29, 1992 | | 000 | C12N005/12 |

INT-CL (IPC): C12N 5/00; C12N 5/12; C12P 21/00; C12R 11/91; G01N 33/48

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

| | | |
|------|-----------|-------|
| KIMC | Draw Desc | Image |
|------|-----------|-------|

Generate Collection

Print

| Term | Documents |
|---|-----------|
| OPTIMAL | 253025 |
| OPTIMALS | 9 |
| PRODUCT\$ | 0 |
| PRODUCT | 1490457 |
| PRODUCTA | 25 |
| PRODUCTABILITIES | 1 |
| PRODUCTABILITY | 91 |
| PRODUCTABLE | 6 |
| PRODUCTABLITY | 2 |
| PRODUCTAC | 6 |
| (L10 AND (OPTIMAL SAME PRODUCT\$)).USPT,PGPB,EPAB,DWPI,TDBD. | 35 |

There are more results than shown above. Click here to view the entire set.

Display Format: -

[Change Format](#)

[Previous Page](#)

[Next Page](#)